

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S3	2072	((403/78) or (403/15) or (403/164) or (403/52) or (403/1) or (403/31) or (403/60)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/11 16:08
S4	151	S3 swivel	USPAT	AND	OFF	2005/06/06 15:11
S5	148	(403/60).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/06 16:11
S6	1930	((403/78) or (403/15) or (403/164) or (403/52) or (403/1) or (403/31)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/06 16:29
S9	19348	"slip ring"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/06 16:30
S10	713	S9 swivel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/06/06 16:50
S11	3	(("2832374") or ("4214780")).PN.	USPAT; USOCR	OR	OFF	2005/06/06 16:50
S12	7	("3648311" "3684316").PN. OR ("4214780").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/06 16:50
S13	10	("2832374").URPN.	USPAT	OR	OFF	2005/06/06 16:52
S14	1906	((137/560) or (137/580) or (439/13) or (439/6) or (439/20)).CCLS.	USPAT; USOCR	OR	OFF	2006/10/27 23:22
S15	82	S14 swivel	USPAT	AND	OFF	2005/06/06 20:06
S16	1541	((285/276) or (285/278) or (285/149.1) or (285/152.1) or (285/153.1)).CCLS.	USPAT; USOCR	OR	OFF	2006/10/27 23:22
S17	533177	rotary joint	USPAT	OR	OFF	2005/06/06 21:36
S18	33408	rotary joint	USPAT	AND	OFF	2005/06/07 19:31
S19	99991	spiral	USPAT	AND	OFF	2005/06/06 21:36
S20	2513	S18 S19	USPAT	AND	OFF	2005/06/06 21:36
S21	43566	swivel	USPAT	AND	OFF	2005/06/06 21:36
S22	240	S20 S21	USPAT	AND	OFF	2005/06/06 21:36
S23	4	("2641629").URPN.	USPAT	OR	OFF	2005/06/07 10:08
S24	0	("2004/0202505").URPN.	USPAT	OR	OFF	2005/06/07 10:09

EAST Search History

S25	0	("2005/0079007").URPN.	USPAT	OR	OFF	2005/06/07 10:09
S26	21	("3055227" "4540331" "4639184" "4700932" "4714865" "4786769" "4797564" "4842114" "4860864" "4954005" "4998606" "5086901" "5558182" "5626216" "5678944" "5915506" "5964124" "6069415").PN. OR ("6214057"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/07 10:09
S27	0	("2001/0048043").URPN.	USPAT	OR	OFF	2005/06/07 10:11
S28	16	("3481148" "3643887" "4067545" "4114736" "4446884" "4523664" "4681279" "4793376" "5135181" "5794878" "6080007").PN. OR ("6234417"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/07 10:11
S29	32	("3944798" "4313263" "4388758" "4593470" "4606696" "4676002" "4703443" "4888877" "5084981" "5148377" "5174039" "5402582").PN. OR ("5829148").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/07 10:12
S30	11	("2825463" "3443747" "4214780" "4377253" "4405162" "4683912" "4749335" "5462083").PN. OR ("5810034"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/07 10:15
S31	28	("0908414" "2273579" "2365538" "2820650" "3096103" "3517694" "3820600" "3847107" "4210975" "4214780" "4250918" "4260183" "4260382" "4570978" "4611834" "4635971" "4676241" "4683912" "4801161" "5022686" "5110159").PN. OR ("5435607"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/07 10:16
S32	30	("1598606" "1909947" "2164390" "2215635" "3075071" "3240925" "4165530" "4316237" "4459647" "4463413").PN. OR ("4581689").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/07 10:17
S33	5	("3167332").URPN.	USPAT	OR	OFF	2005/06/07 10:19
S34	1	("3146411").URPN.	USPAT	OR	OFF	2005/06/07 10:20
S35	16	("1551332" "1822260" "2826440" "3322886" "3593952" "4659279" "4700017").PN. OR ("4906121").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/07 10:20

EAST Search History

S36	10	("3012801").URPN.	USPAT	OR	OFF	2005/06/07 10:22
S37	0	("2457320").URPN.	USPAT	OR	OFF	2005/06/07 10:22
S38	0	("1404787").URPN.	USPAT	OR	OFF	2005/06/07 10:22
S39	1	("1303714").URPN.	USPAT	OR	OFF	2005/06/07 10:23
S40	0	("832913").URPN.	USPAT	OR	OFF	2005/06/07 10:23
S41	6	("3290065").URPN.	USPAT	OR	OFF	2005/06/07 10:32
S42	10	("3012801").URPN.	USPAT	OR	OFF	2005/06/07 10:32
S43	1	("2094656").URPN.	USPAT	OR	OFF	2005/06/07 10:33
S44	3	("4506698" "5787923" "RE32510").PN. OR ("6637454"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/07 10:33
S45	15	("3526418" "4362324" "4702276").PN. OR ("4823835"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/07 10:33
S46	16	("3322886").URPN.	USPAT	OR	OFF	2005/06/07 10:35
S47	1	("2323575").URPN.	USPAT	OR	OFF	2005/06/07 10:36
S48	12	("1648624" "1724815" "2447026" "2825586" "3091484" "3409315").PN. OR ("5913544"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/07 10:36
S49	14	("1994169" "3429588" "3889983" "3957294" "4253684").PN. OR ("5058927").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/07 10:37
S50	19	("0961216" "2561246" "2913002" "3333598" "4601087" "4726397").PN. OR ("4848400"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/07 10:37
S51	7	("1053621" "2425211" "3545342").PN. OR ("4605249"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/07 10:38
S52	2	("1889980").URPN.	USPAT	OR	OFF	2005/06/07 10:39
S53	2	("1886207").URPN.	USPAT	OR	OFF	2005/06/07 10:39
S54	1	("929953").URPN.	USPAT	OR	OFF	2005/06/07 10:39
S55	2	("3361451").URPN.	USPAT	OR	OFF	2005/06/07 10:39
S56	3	("3191974").URPN.	USPAT	OR	OFF	2005/06/07 10:40
S57	24	("3011803").URPN.	USPAT	OR	OFF	2005/06/07 10:40
S58	14	("3002769").URPN.	USPAT	OR	OFF	2005/06/07 10:41
S59	9	("2729473").URPN.	USPAT	OR	OFF	2005/06/07 10:41
S60	2	("1889980").URPN.	USPAT	OR	OFF	2005/06/07 10:42
S61	7	("3648311" "3684316").PN. OR ("4214780").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/07 10:42

EAST Search History

S62	6	("2632660" "3942751" "4314319" "4427382" "4581689").PN. OR ("6338566").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/07 10:42
S63	26	("3240925").URPN.	USPAT	OR	OFF	2005/06/07 10:43
S64	16	("1913489" "1983854" "2786532" "2788073" "3195638" "3290065" "3301324" "3628604").PN. OR ("3765485").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/07 10:44
S65	10	("3026129" "3322886" "3789415" "3909047" "4183559" "4597595" "4643462" "5003320").PN. OR ("6361237").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/07 10:45
S66	19	("2037324" "3026129" "3089210" "3322886").PN. OR ("3909047").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/07 10:46
S67	25	("1744040" "2688733" "2700139" "2729473" "2817871").PN. OR ("3857625").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/07 10:47
S68	30	("0576769" "0816759" "2164608" "2626742" "2981917" "3185838" "3200731" "3223826" "3240925" "3441329" "4240603" "4977850" "D101740" "D311772").PN. OR ("5403162").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/07 10:48
S69	4	("3026129").URPN.	USPAT	OR	OFF	2005/06/07 10:49
S70	4	("3026129").URPN.	USPAT	OR	OFF	2005/06/07 10:50
S71	11	("3477746" "3909047" "4015416" "4436048" "4597595" "4639228" "4643462" "4648848" "4915416" "5201551").PN. OR ("6338505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/07 10:50
S72	19	("3026129" "3351360" "3698433" "3838718" "4052090" "4065159").PN. OR ("4183559").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/07 10:51
S73	18	("3026129" "3351360" "3698433" "3838718" "4052090" "4065154").PN. OR ("4174127").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/07 10:52
S74	15	("3477746").URPN.	USPAT	OR	OFF	2005/06/07 15:40

EAST Search History

S75	48	("4388948" "5488215" "6209650" "6209650" "4453672" "4387660" "4388025" "4819897" "6361237" "4393906" "4763932" "4830569" "5358352" "4537343" "5848910" "6112769" "4305607" "4432558" "4491336" "4613140" "4779650" "4787859" "4921010" "4998317" "5002433" "5275444" "5484181" "6217082" "6217082" "5018546" "5515593" "5944364" "4369713" "4436451" "4550928" "4553938" "4802696" "5312138" "5346446" "5671954" "5836361" "6145559" "4257718" "4268084" "5000653" "5188054" "5487677" "5906450" "6114631" "6182763").pn.	USPAT	OR	OFF	2005/06/07 15:56
S78	582	((403/34) or (403/37) or (403/38) or (403/39)).CCLS.	USPAT; USOCR	OR	OFF	2006/10/27 23:22
S80	2590	rotary adj joint	USPAT	AND	OFF	2005/06/07 19:32
S81	834	S80 flexible	USPAT	AND	OFF	2005/06/07 19:32
S83	91	S81 swivel	USPAT	AND	OFF	2006/04/11 16:09
S84	3	((("2832374") or ("4214780"))).PN.	USPAT; USOCR	OR	OFF	2005/06/07 20:46
S85	867	"quick connect coupling"	USPAT	OR	OFF	2005/06/07 23:01
S86	215	411/104	USPAT	OR	OFF	2005/06/08 17:13
S87	2652	((411/104) or (411/935) or (411/533) or (411/537) or (411/426) or (411/399) or (411/354)).CCLS.	USPAT; USOCR	OR	OFF	2006/10/27 23:22
S88	82	S87 cone	USPAT	AND	OFF	2005/06/08 17:17
S89	130	S87 taper	USPAT	AND	OFF	2005/06/08 17:17
S90	109	S89 NOT S88	USPAT	AND	OFF	2005/06/08 17:20
S91	21	S87 bevel	USPAT	AND	OFF	2006/04/11 16:09
S92	2	("5,660,496").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 15:32

EAST Search History

S93	145	("1329492" "1335302" "1473118" "1677796" "2089929" "2091195" "2123167" "2135705" "2146333" "2146445" "2309238" "2321988" "2735251" "2776116" "20030015695" "20030015695" "3185445" "3308584" "3332666" "3349531" "3385564" "3417965" "3450233" "3499630" "3519301" "3521917" "3564184" "3606222" "3617076" "3637244" "3643924" "3680448" "3693940" "3711881" "3768781" "3776520" "3820906" "3846030" "3856268" "3912404" "3919380" "3925929" "3951556" "3967906" "3972510" "3981486" "3982734" "0398078" "4000882" "4063713" "4071970" "4126403" "4183695" "4190275" "4200310" "4236843" "4269384" "4278228" "4295637" "4330106" "4351617" "4352484" "4389134" "4399980" "4432172" "4452431" "4490062" "4501411" "4583716" "4607824" "4645375" "4646489" "4655434" "4674911" "4678166" "4729690" "4784515" "4815565" "4819915" "4838523" "4852847" "4923319" "4926592" "4928446" "4928928" "4986687" "0446852" "5011326" "5022782" "5054954" "5069576" "5078366" "5112028" "5203543" "5214886" "5244101" "5248129" "5286137" "5391016" "5403112" "5407298" "5481835" "5484217" "5503495" "5547309" "5647520" "5657966" "5660375" "5660496" "5664905" "5733062" "5746419" "5765811" "5775675" "5797591" "5797592" "5823584" "5832762" "5851005" "5885443" "5924680" "5931448" "5957435" "5966867" "5988598" "5992828" "6007269" "6022003" "6065894" "6092959" "6109597" "6116805" "6129342" "6168346" "6203079" "6210066" "6220575" "6244571" "6254063" "6260827" "6272796" "6290427" "6729607" "0629185" "0079141" "RE22060" "RE22060").PN.	US-PGPUB; USPAT	OR	ON	2006/04/11 15:33
S94	1569	((403/78) or (403/15) or (403/164) or (403/52) or (403/1) or (403/31) or (403/60)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 16:42

EAST Search History

S95	1318	((137/560) or (137/580) or (439/13) or (439/6) or (439/20)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 16:30
S96	983	((285/276) or (285/278) or (285/149.1) or (285/152.1) or (285/153.1)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 16:30
S97	1791	((411/104) or (411/935) or (411/533) or (411/537) or (411/426) or (411/399) or (411/354)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 16:29
S98	2680	rotary adj joint	USPAT	AND	OFF	2006/04/11 16:09
S99	860	S98 flexible	USPAT	AND	OFF	2006/04/11 16:09
S10 0	94	S99 swivel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/04/11 16:10
S10 1	645	(138/114).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/13 12:18
S10 2	269	S101 and (flexible or hose)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 16:10
S10 3	2	("5280991").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/13 12:28
S10 4	5	("6694700" "D310165" "D313933" "D358983").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/13 12:28

EAST Search History

S10 5	29	("20020046830" "20050051310" "2838074" "2956586" "3841671" "3948292" "3986732" "4025675" "4793638" "4886305" "4928736" "5005613" "5069255" "5102012" "5156191" "5186502" "5285744" "5285826" "5343738" "5351727" "5513681" "5865216" "6032699" "6123112" "6345647" "6536479" "6745796").PN. OR ("7000644").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 13:20
S10 6	6763	((411/104) or (411/935) or (411/533) or (411/537) or (411/426) or (411/399) or (411/354) or (403/34) or (403/37) or (403/38) or (403/39) or (285/276) or (285/278) or (285/149.1) or (285/152.1) or (285/153.1) or (137/560) or (137/580) or (439/13) or (439/6) or (439/20) or (403/78) or (403/15) or (403/164) or (403/52) or (403/1) or (403/31) or (403/60) or (138/114)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/27 23:23
S10 7	3122	robot near (joint coupl\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 23:30
S10 8	2508	robot with (joint coupl\$3 swivel) with (rotary rotat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 23:40
S10 9	4	robot with (joint coupl\$3 swivel) with (rotary rotat\$4) and quick adj connect	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 23:33
S11 0	578	robot with (joint coupl\$3 swivel) with (rotary rotat\$4) and connect	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 23:33

EAST Search History

S11 1	2508	S108	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 23:33
S11 2	1113	robot with (joint coupl\$3 swivel) with (rotary rotat\$4) and (connect\$3 coupl\$3) and (fluid electr\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 23:34
S11 3	26	robot with (joint coupl\$3 swivel) with (rotary rotat\$4) and (connect\$3 coupl\$3) and (fluid electr\$4) near transfer\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 23:39
S11 4	81733	("414").CLAS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/27 23:39
S11 5	246	S107 and S114	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/29 19:35
S11 6	305	industrial adj robot with (joint coupl\$3 swivel) with (rotary rotat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 23:40
S11 7	0	("2004/0100092").URPN.	USPAT	OR	ON	2006/10/27 23:44
S11 8	3122	robot near (joint coupl\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/29 19:35
S11 9	81733	("414").CLAS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/29 19:35

EAST Search History

S12 0	246	S118 and S119	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/29 19:35
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